



# Cape Cod Tech FY14 Budget

Chatham Board of Selectmen

March 12<sup>th</sup>, 2013

*Barnstable Brewster Chatham Dennis Eastham Harwich  
Mashpee Orleans Provincetown Truro Wellfleet Yarmouth*

## FY14 Budget Increase

\$367,046

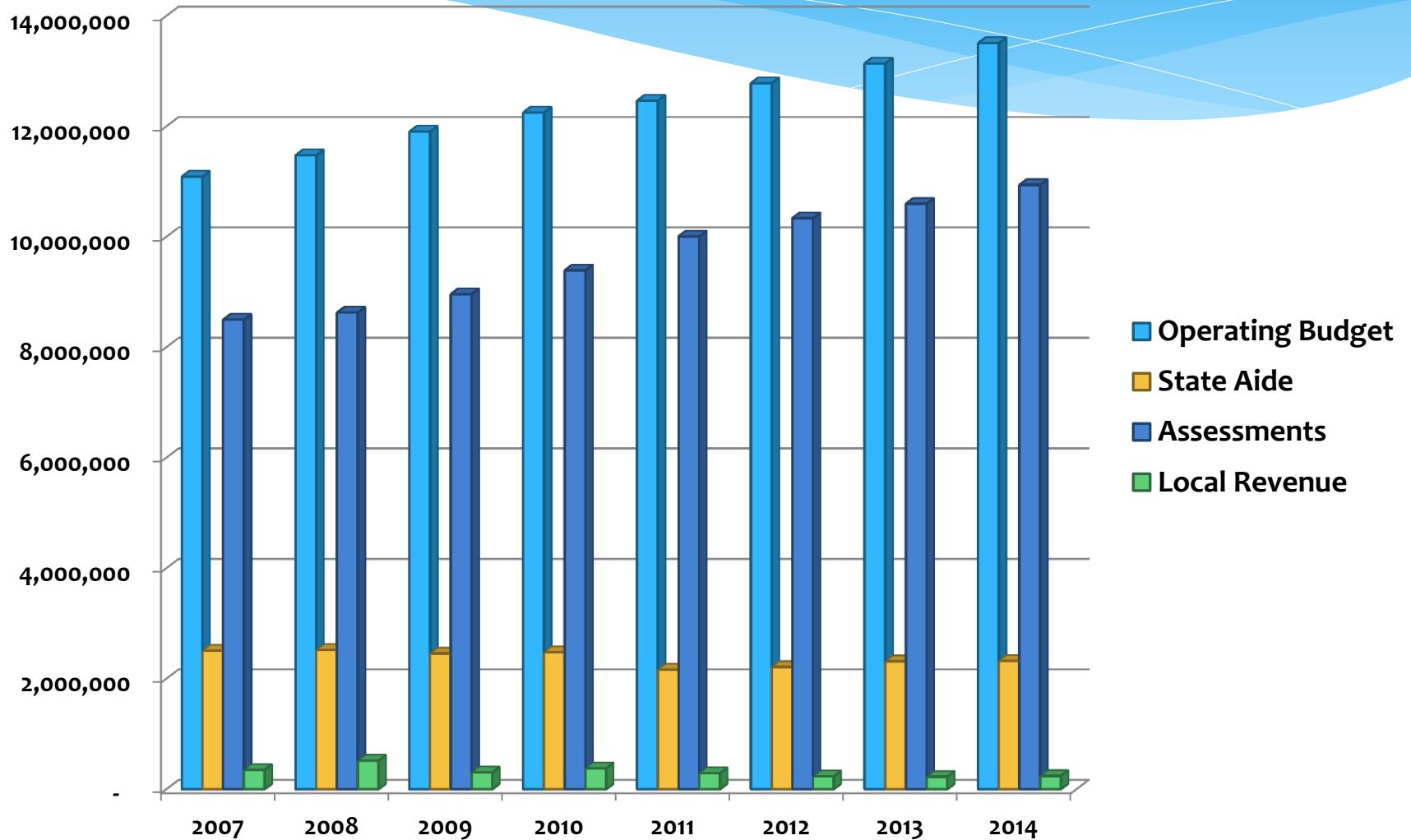
\$13,505,905

↑ 2.79%

| Fiscal Year  | 2008       | 2009       | 2010       | 2011       | 2012       | 2013       |
|--------------|------------|------------|------------|------------|------------|------------|
| Total Budget | 11,474,784 | 11,903,693 | 12,290,383 | 12,463,448 | 12,781,986 | 13,138,859 |
| % Increase   | -          | 3.74%      | 3.25%      | 1.41%      | 2.56%      | 2.79%      |

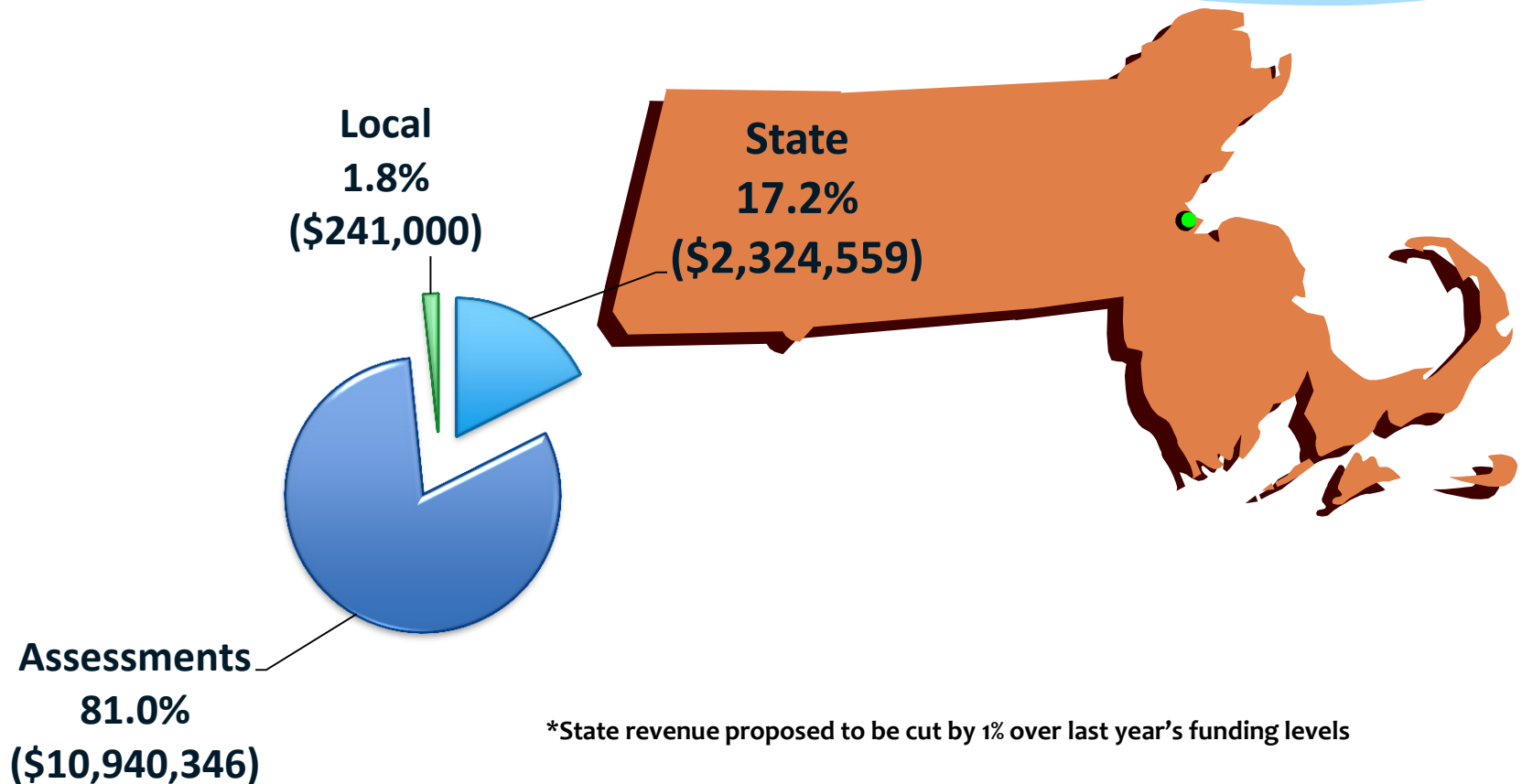
# Cape Cod Tech

FY 14 Revenue Sources  
vs. The Budget



# Cape Cod Tech

## FY 14 Revenue Sources



# Cape Cod Tech

FY14 Budget

## Costs Unique to a Regional School District Budget

| Line Item             | FY14 Budget                              |
|-----------------------|--|
| Insurances            | \$ 2,246,241                             |
| Snow Removal          | \$ 20,000                                |
| Police                | \$ 20,000                                |
| Equipment Maintenance | \$ <u>153,000</u>                        |
| Total                 | \$ 2,439,241<br>(17% of the FY14 Budget) |

# Cape Cod Tech

## Why a 2.79% Increase?

| Category                             | FY14              | FY13              | Change         | % Change     | FY12              | FY11              | FY10              |
|--------------------------------------|-------------------|-------------------|----------------|--------------|-------------------|-------------------|-------------------|
| Salaries                             | 7,607,351         | 7,234,110         | 373,241        | 5.16%        | 7,319,975         | 6,915,287         | 6,862,445         |
| Benefits                             | 2,363,130         | 2,404,760         | (41,630)       | -1.73%       | 2,419,356         | 2,224,036         | 2,094,450         |
| Materials & Services                 | 1,490,777         | 1,581,968         | (91,191)       | -5.76%       | 1,220,694         | 1,408,301         | 1,511,281         |
| Transportation                       | 678,000           | 697,782           | (19,782)       | -2.83%       | 701,782           | 641,309           | 610,813           |
| Utilities & Heating                  | 490,500           | 490,500           | -              | 0.00%        | 523,750           | 463,883           | 541,414           |
| Insurance                            | 246,147           | 224,739           | 21,408         | 9.53%        | 166,429           | 161,959           | 109,731           |
| <b>TOTAL OPERATING</b>               | <b>12,875,905</b> | <b>12,633,859</b> | <b>242,046</b> | <b>1.92%</b> | <b>12,351,986</b> | <b>11,814,775</b> | <b>11,730,135</b> |
|                                      |                   |                   |                |              |                   |                   |                   |
| Capital Budget                       | 630,000           | 505,000           | 125,000        | 29.1%        | 430,000           | 519,342           | 430,000           |
|                                      |                   |                   |                |              |                   |                   |                   |
| <b>Total Operating &amp; Capital</b> | <b>13,505,905</b> | <b>13,138,859</b> | <b>367,046</b> | <b>2.79%</b> | <b>12,781,986</b> | <b>12,334,117</b> | <b>12,160,135</b> |

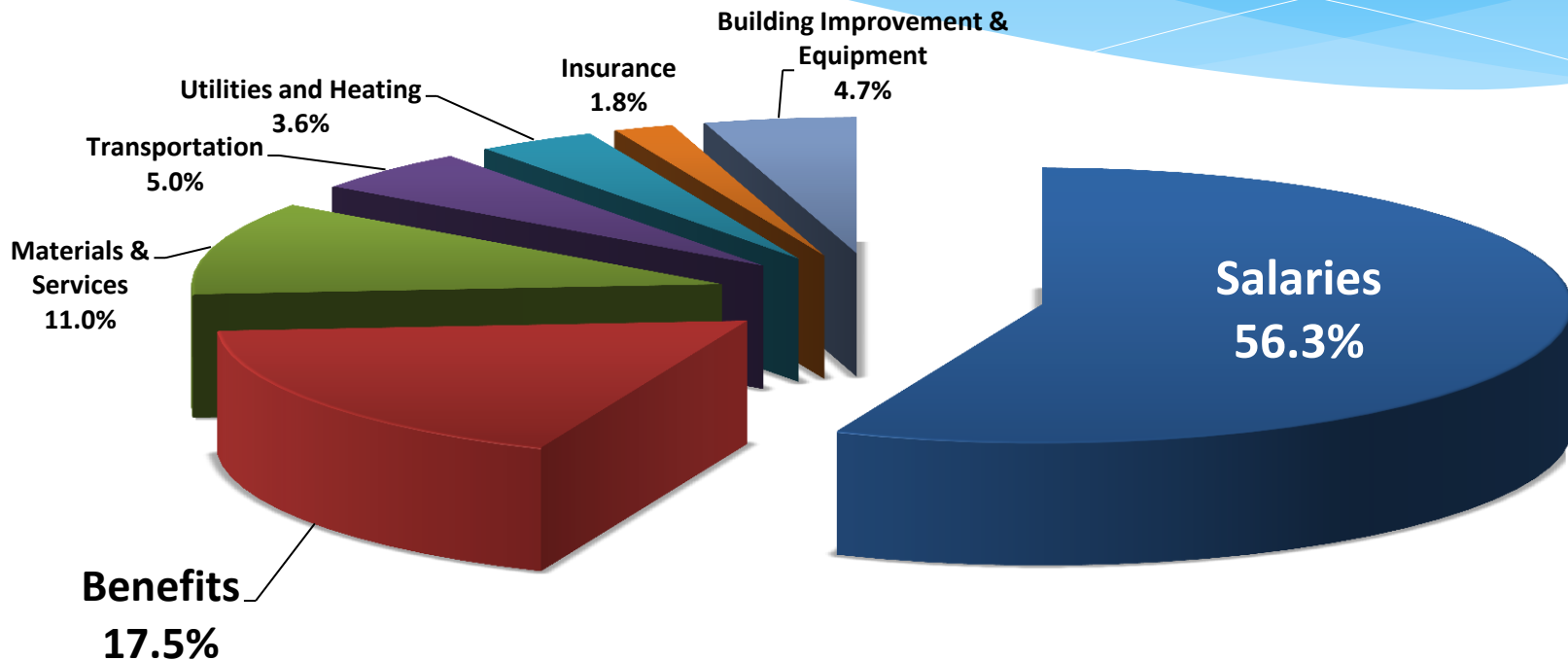
# Cape Cod Tech

FY14 Budget

## What is the Money Used For?

| Department            | Budget               | % of Total |
|-----------------------|----------------------|------------|
| Principal's Office    | \$ 352,955           | 2.61%      |
| Teacher's Salaries    | \$ 4,985,242         | 36.91%     |
| Retirement            | \$ 308,536           | 2.28%      |
| Insurance Benefits    | \$ 1,531,652         | 11.34%     |
| Library A/V           | \$ 100,841           | 0.75%      |
| Retiree Benefits      | \$ 468,442           | 3.47%      |
| Educational Materials | \$ 178,456           | 1.32%      |
| Guidance              | \$ 425,193           | 3.15%      |
| Transportation        | \$ 678,000           | 5.02%      |
| Support Services      | \$ 1,226,568         | 9.08%      |
| Administration        | \$ 799,178           | 5.92%      |
| General Insurance     | \$ 246,147           | 1.82%      |
| Plant Operations      | \$ 1,303,370         | 9.65%      |
| Supervision           | \$ 271,325           | 2.01%      |
| Capital Requirements  | \$ 630,000           | 4.66%      |
| <b>Total Budget</b>   | <b>\$ 13,505,905</b> |            |

# Cape Cod Tech



**Salaries and Benefits account for approximately 74% of Cape Cod Tech's FY14 Budget**



# **Cape Cod Tech**

## **Your Vocational School**

**Q. Why the increase of \$125,000 in our building improvement budget?**



**A. To keep up with our increasing facility needs**

# What have we accomplished?

- ✓ **Gymnasium Floor**
- ✓ **(6) Overhead unit ventilators**
- ✓ **(19) Classroom Unit Ventilator**
- ✓ **Roof and re-pointed some masonry**
- ✓ **Some exterior doors**
- ✓ **Ceiling tiles throughout entire building**
- ✓ **All motor starters**
- ✓ **Cooling Tower**
- ✓ **(1) gas boiler through MSBA "Green Repair Program"**
- ✓ **Emergency generator**
- ✓ **Nearly every roof fan (75-80)**
- ✓ **Complete retrofit of building lighting**
- ✓ **Replaced the tennis and basketball courts**
- ✓ **Repaved the track**
- ✓ **Installed a (49) camera surveillance system**
- ✓ **Installed a Tri-Generation system**
- ✓ **Ceiling tile replacement**
- ✓ **Installed a residential scale wind turbine, photovoltaic awning, solar thermal installation**
- ✓ **Rebuilt stairs, masonry and deck in the back of the library**
- ✓ **Construction of a football field**
- ✓ **Completed Phase 1 of 4 of road and parking lot resurfacing**
- ✓ **Upgrades to septic system**

# What needs to be done?

## Building Envelope

### Roof

*“The flat roof was replaced in 2005 with a membrane roof. With the exception of minor leaks occurring at some of the roof seams, the flat roof appears to be in good condition.”*

### Issues that remain:

- ✓ The issue of ponding at the deck is due to the lack of sufficient roof slope, thereby preventing positive drainage to the roof drains.
- ✓ While most of the original perimeter cap flashing was replaced as part of the 2005 project, most of the original curb and masonry flashing elsewhere on the roof remains.
- ✓ The majority of roof drains and strainers, as well as many of the duct and equipment supporting systems, also appear to be original.

# What needs to be done?

## Mechanical

### Plumbing

- *“most fixtures are generally original to the building but some have been upgraded in an attempt to provide accessible and water efficiency”*
- As part of any major renovation, new fixtures should be installed to meet ADA requirements as well as meet water conservation requirements
- It is recommended to replace the domestic water storage tank with a new cement lined vertical storage tank with dual heat exchangers
- It is recommended that hot and cold water supplied to the Science rooms be protected by back flow preventers
- Provide emergency showers in all classrooms powered by natural gas
- The emergency showers and eye wash stations should be supplied with tempered water from an emergency mixing valve
- As part of any major renovation we strongly recommend that all of the main under slab drainage piping be documented to verify its condition.
- The existing gas piping appears to be in good physical condition
- The gas piping to the cooking equipment in the Kitchen would need to be modified to include a manual reset gas solenoid valve
- All existing sprinkler heads be replaced with quick response sprinkler heads. The existing pipe schedule design will need to be reviewed for compliance with the new architectural layout.

# What needs to be done?

## Mechanical

### HVAC

#### **Recommended actions (1-2 years):**

- \* Correct existing zone air conditioning and heating issues in Administration by adding new VAV box, ductwork, control valves and thermostats.
- \* Add additional zones to correct temperature control problems in classrooms
- \* Add supplemental split system air conditioning units to Computer and IT Classrooms.
- \* Provide additional zone for Library Classroom
- \* Correct positive pressurization issues in Marine, Auto Repair, Welding, Horticulture and Collision

#### **Recommended actions (3-5 years):**

- \* AHU Pre-Construction Testing/Retro Commissioning
- \* Modify exhaust and intake air locations at Collision Studies to avoid re-entrainment.
- \* Replace existing H&V unit and ductwork at Carpentry Painting area.
- \* Reconfigure intake/exhaust air to avoid re-entrainment at shop areas
- \* Replace existing unit heaters at Shop Areas.
- \* Replace existing H&V units at Shop Areas
- \* Replace Existing Water Cooled Chiller with New High Efficiency Chiller

# What needs to be done?

## Mechanical

### HVAC

#### Recommended actions (6-10 years):

- \* Provide new Hybrid (high efficiency condensing/non condensing) Dual Fuel Boilers. Demolish Existing Boilers. Provide new gas and oil piping connections. (one replaced Summer 2012)
- \* Convert existing Pneumatic Controls at AHU's, HVU's, Terminal Heating Equipment and Exhaust Fans to DDC Controls including expansion and updating of existing BMS Controls.
- \* Add variable flow system for main kitchen hood exhaust and make-up air system (includes adding VFD's to existing fans, and new controls)
- \* Add exhaust over pot washer at Kitchen
- \* Replace damaged fin-tube radiant covers at Weight Room
- \* Replace damaged entry way unit heaters.



# What needs to be done?

## Mechanical

### Electrical

#### Recommended actions (1-2 years):

- \* Replace existing area protection relays and install new emergency distribution
- \* Add 2-hour rated electrical rooms

#### Recommended actions (3-5 years):

- \* Remove and replace the existing fire alarm system with a new state of the art addressable fire alarm to comply with life safety requirements.
- \* Replace existing exit signs. Furnish and install additional exit signs and emergency lights to comply with life safety requirements.
- \* Remove and replace the existing switchboard and the distribution section with a new circuit breaker distribution section as required including service conductors.
- \* Replace existing panels and feeders

#### Recommended actions (6-10 years):

- \* Provide additional receptacles in classrooms for computer workstations with new panel boards with surge protection.
- \* Provide new wiring, receptacles and raceway with separation of neutrals
- \* Furnish and install new LED parking lot lighting.

# What is unknown?

- 1) **Brick and Walls**
- 2) **Windows, Casings & Doors**
- 3) **Staircase #13 and landing**
- 4) **Flooring**
- 5) **Ceilings in Auto Tech and the Gymnasium**
- 6) **Interior Stairs**
- 7) **Railings**
- 8) **Fixtures**
- 9) **ADA Compliance Issues**
- 10) **Lockers and Storage**
- 11) **Classroom Upgrades**



## Student Enrollment by Town & Chatham Enrollment History

| Enrollments         | Students<br>FY14 | Students<br>FY13 | Change     |
|---------------------|------------------|------------------|------------|
| <b>Barnstable</b>   | 168              | 171              | -3         |
| <b>Brewster</b>     | 42               | 39               | 3          |
| <b>Chatham</b>      | 23               | 19               | 4          |
| <b>Dennis</b>       | 93               | 92               | 1          |
| <b>Eastham</b>      | 14               | 17               | -3         |
| <b>Harwich</b>      | 85               | 74               | 11         |
| <b>Mashpee</b>      | 55               | 62               | -7         |
| <b>Orleans</b>      | 14               | 19               | -5         |
| <b>Provincetown</b> | 4                | 5                | -1         |
| <b>Truro</b>        | 5                | 5                | 0          |
| <b>Wellfleet</b>    | 4                | 4                | 0          |
| <b>Yarmouth</b>     | 147              | 161              | -14        |
| <b>Total</b>        | <b>654</b>       | <b>668</b>       | <b>-14</b> |

| <b>Chatham</b>                  |          |                    |
|---------------------------------|----------|--------------------|
| Enrollment<br>as of Oct.<br>1st | Students | % of<br>enrollment |
| <b>2007</b>                     | 13       | 1.80%              |
| <b>2008</b>                     | 11       | 1.60%              |
| <b>2009</b>                     | 16       | 2.30%              |
| <b>2010</b>                     | 18       | 2.60%              |
| <b>2011</b>                     | 19       | 2.84%              |
| <b>2012</b>                     | 23       | 3.52%              |
|                                 |          |                    |

\* Enrollment Numbers as of 10/1/12

# Cape Cod Tech

## FY14 Assessments

|                            | FY14<br>Enrollment | FY13<br>Enrollment | FY14 %<br>Enrollment | FY14                 | FY13                 | Change            |               |
|----------------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-------------------|---------------|
| <b><i>Barnstable</i></b>   | 168                | 171                | 25.69%               | \$ 2,810,364         | \$ 2,657,683         | \$ 152,681        | 5.74%         |
| <b><i>Brewster</i></b>     | 42                 | 39                 | 6.42%                | \$ 702,591           | \$ 667,110           | \$ 35,481         | 5.32%         |
| <b><i>Chatham</i></b>      | <b>23</b>          | <b>19</b>          | <b>3.52%</b>         | <b>\$ 384,752</b>    | <b>\$ 314,638</b>    | <b>\$ 70,114</b>  | <b>22.28%</b> |
| <b><i>Dennis</i></b>       | 93                 | 92                 | 14.22%               | \$ 1,555,738         | \$ 1,537,717         | \$ 18,021         | 1.17%         |
| <b><i>Eastham</i></b>      | 14                 | 17                 | 2.14%                | \$ 234,197           | \$ 282,806           | \$ (48,609)       | -17.19%       |
| <b><i>Harwich</i></b>      | 85                 | 74                 | 13.00%               | \$ 1,421,910         | \$ 1,160,735         | \$ 261,175        | 22.50%        |
| <b><i>Mashpee</i></b>      | 55                 | 62                 | 8.41%                | \$ 920,060           | \$ 969,173           | \$ (49,113)       | -5.07%        |
| <b><i>Orleans</i></b>      | 14                 | 19                 | 2.14%                | \$ 234,197           | \$ 325,186           | \$ (90,989)       | -27.98%       |
| <b><i>Provincetown</i></b> | 4                  | 5                  | 0.61%                | \$ 66,914            | \$ 86,743            | \$ (19,829)       | -22.86%       |
| <b><i>Truro</i></b>        | 5                  | 5                  | 0.76%                | \$ 83,641            | \$ 85,216            | \$ (1,575)        | -1.85%        |
| <b><i>Wellfleet</i></b>    | 4                  | 4                  | 0.61%                | \$ 66,914            | \$ 68,036            | \$ (1,122)        | -1.65%        |
| <b><i>Yarmouth</i></b>     | 147                | 161                | 22.48%               | \$ 2,459,069         | \$ 2,442,048         | \$ 17,021         | 0.70%         |
|                            | <b>654</b>         | <b>668</b>         |                      | <b>\$ 10,940,347</b> | <b>\$ 10,597,091</b> | <b>\$ 343,256</b> |               |

**\*Total assessments have increased \$343,256 (3.24%) in FY14 over FY13\***